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1 Authenticated ad hoc routing at the link layer for mobile systems
Jim Binkley, William Trost
March 2001   **Wireless Networks** , Volume 7 Issue 2
Publisher: Kluwer Academic Publishers
Full text available: 📄Pdf (80.17 KB)   Additional Information: full citation, references, cited by, index terms
Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 53,   Downloads (Overall): 854,   Citation Count: 4

Keywords: ARP spoof, ad hoc, authentication security, link layer, mobile-IP, routing

2 Middleware for Reactive Components: An Integrated Use of Context, Roles, and Event Based Coordination
Andry Rakotonirainy, Jaga Indulska, Seng Wai Loke, Arkady B. Zaslavsky
November 2001   **Middleware '01:** Proceedings of the IFIP/ACM International Conference on Distributed Systems Platforms Heidelberg
Publisher: Springer-Verlag
Full text available: 📄Pdf (283.65 KB)   Additional Information: full citation, references, cited by
Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 29,   Downloads (Overall): 29,   Citation Count: 3

3 Mediazine - a combination of television, radio, WWW, telecommunication and 3D computer sound and graphics
Norbert Schiffner, Hartmut Chodura
September 2000   **CVE '00:** Proceedings of the third international conference on Collaborative virtual environments
Publisher: ACM 💠 Request Permissions
Full text available: 📄Pdf (1.45 MB)   Additional Information: full citation, abstract, references, index terms
Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 11,   Downloads (Overall): 230,   Citation Count: 0

The Mediazine is a distributed interactive multimedia magazine for the Internet including text, applications, images, live audio, live-video, animations, 3D computer graphics. Users and Actors can interactively meet each other in a shared virtual environment ...

Keywords: collaborative virtual workspace, cooperation, multimedia streams, software agents

4 An evaluation of flow control in group communication
Shivakant Mishra, Lei Wu
October 1998   **IEEE/ACM Transactions on Networking (TON)** , Volume 6 Issue 5
Publisher: IEEE Press
Full text available: 📄Pdf (260.11 KB)   Additional Information: full citation, references, cited by, index terms
Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 21,   Downloads (Overall): 338,   Citation Count: 4

Keywords: buffer management, flow control, group communication

5 Preserving Causality in a Scalable Message-Oriented Middleware

Philippe Laumay, Eric Bruneton, Noel De Palma, Sacha Krakowiak

November 2001   **Middleware '01:** Proceedings of the IFIP/ACM International Conference on Distributed Systems Platforms Heidelberg

Publisher: Springer-Verlag

Full text available: Pdf (586.08 KB)   Additional Information: full citation, references, cited by

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 15,   Downloads (Overall): 15,   Citation Count: 2

6 Embedded computation meets the World Wide Web

Gaetano Borriello, Roy Want

May 2000   **Communications of the ACM** , Volume 43 Issue 5

Publisher: ACM   Request Permissions

Full text available: Html (41.58 KB), Pdf (456.09 KB)   Additional Information: full citation, appendices and supplements, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 18,   Downloads (12 Months): 189,   Downloads (Overall): 2601,   Citation Count: 21

7 The SIFT information dissemination system

Tak W. Yan, Hector Garcia-Molina

December 1999   **Transactions on Database Systems (TODS)** , Volume 24 Issue 4

Publisher: ACM   Request Permissions

Full text available: Pdf (220.77 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 17,   Downloads (12 Months): 118,   Downloads (Overall): 803,   Citation Count: 40

Information dissemination is a powerful mechanism for finding information in wide-area environments. An information dissemination server accepts long-term user queries, collects new documents from information sources, matches the documents against the ...

Keywords: Boolean queries, dissemination, filtering, indexing, vector space queries

8 Using a coordination language to specify and analyze systems containing mobile components

P. Ciancarini, F. Franzé, C. Mascolo

April 2000   **Transactions on Software Engineering and Methodology (TOSEM)** , Volume 9 Issue 2

Publisher: ACM   Request Permissions

Full text available: Pdf (306.92 KB)   Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 37,   Downloads (Overall): 456,   Citation Count: 2

New computing paradigms for network-aware applications need specification languages able to deal with the features of mobile code-based systems. A coordination language provides a formal framework in which the interaction of active entities can be expressed. ...

9 A conference gateway supporting interoperability between SIP and H.323

Jiann-Min Ho, Jia-Cheng Hu, Peter Steenkiste

October 2001   **MULTIMEDIA '01:** Proceedings of the ninth ACM international conference on Multimedia

Publisher: ACM   Request Permissions

Full text available: Pdf (805.09 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 55,   Downloads (Overall): 1533,   Citation Count: 1

Increased network bandwidth is making desktop video conferencing an attractive application for an increasing number of computer users. Unfortunately, two competing standards for video conferencing signaling are in use, H.323 and SIP. In this paper we ...

Keywords: H.323, SIP, interoperability, video conferencing gateway, video conferencing signaling protocols

10 Low-loss TCP/IP header compression for wireless networks

Mikael Degermark, Mathias Engan, Björn Nordgren, Stephen Pink

October 1997 **Wireless Networks** , Volume 3 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: Pdf (534.08 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 58,   Downloads (Overall): 795,   Citation Count: 1

Wireless is becoming a popular way to connect mobile computers to the Internet and other networks. The bandwidth of wireless links will probably always be limited due to properties of the physical medium and regulatory limits on the use of frequencies ...

11 Locating application data across service discovery domains

Paul Castro, Benjamin Greenstein, Richard Muntz, Chatschik Bisdikian, Parviz Kermani, Maria Papadopouli

July 2001 **MobiCom '01:** Proceedings of the 7th annual international conference on Mobile computing and networking

Publisher: ACM Request Permissions

Full text available: Pdf (4.38 MB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 43,   Downloads (Overall): 724,   Citation Count: 6

The bulk of proposed pervasive computing devices such as PDAs and cellular telephones operate as thin clients within a larger infrastructure. To access services within their local environment, these devices participate in a service discovery protocol ...

12 Application-layer anycasting: a server selection architecture and use in a replicated Web service

Ellen W. Zegura, Mostafa H. Ammar, Zongming Fei, Samrat Bhattacharjee

August 2000 **IEEE/ACM Transactions on Networking (TON)** , Volume 8 Issue 4

Publisher: IEEE Press

Full text available: Pdf (207.85 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 37,   Downloads (Overall): 658,   Citation Count: 33

Keywords: anycasting, replication, server selection

13 MultECommerce: a distributed architecture for collaborative shopping on the WWW

Stefano Puglia, Robert Carter, Ravi Jain

October 2000 **EC '00:** Proceedings of the 2nd ACM conference on Electronic commerce

Publisher: ACM Request Permissions

Full text available: Pdf (690.44 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 32,   Downloads (Overall): 603,   Citation Count: 1

Keywords: WWW engineering, component technologies, e-commerce APIs, e-commerce architectures, enterprise JavaBeans, shared navigation

14 Wireless ATM network architectures

Anna Hác

May 2001 **International Journal of Network Management** , Volume 11 Issue 3

Publisher: John Wiley & Sons, Inc.

Full text available: Pdf (93.42 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 1,   Downloads (Overall): 618,   Citation Count: 0

Emulated LAN technology supports mobile hosts in wireless ATM networks. This paper introduces virtual LAN (VLAN) services using ATM LAN emulation technology which operates on a client/server model. One of the attractive features of the ...

15 Multicast support for mobile hosts using mobile IP: design issues and proposed architecture

Vineet Chikarmane, Carey L. Williamson, Richard B. Bunt, Wayne L. Mackrell

December 1998 **Mobile Networks and Applications** , Volume 3 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: Pdf (268.04 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 98,   Downloads (Overall): 985,   Citation Count: 14

In this paper, we consider the problem of providing multicast to mobile hosts using Mobile IP for network routing support. Providing multicast in an internetwork with mobile hosts is made difficult because many multicast protocols are inefficient when ...

16 Modeling mobile IP in mobile UNITY

Peter J. McCann, Gruia-Catalin Roman

April 1999 **Transactions on Software Engineering and Methodology (TOSEM)** , Volume 8 Issue 2

Publisher: ACM Request Permissions

Full text available: Pdf (344.70 KB)   Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 37,   Downloads (Overall): 503,   Citation Count: 4

With recent advances in wireless communication technology, mobile computing is an increasingly important area of research. A mobile system is one where independently executing components may migrate through some space during the course of the computation, ...

Keywords: formal methods, mobile UNITY, mobile computing, shared variables, synchronization, transient interactions, weak consistency

17 Global change master directory: object-oriented active asynchronous transaction management in a federated environment using data agents

Zina Ben Miled, Srinivasan Sikkupparbathyam, Omran Bukhres, Kishan Nagendra, Eric Lynch, Marcelo Areal, Lola Olsen, Chris Gokey, David Kendig, Tom Northcutt, Rosy Cordova, Gene Major, Nanine Savage

March 2001 **SAC '01:** Proceedings of the 2001 ACM symposium on Applied computing

Publisher: ACM Request Permissions

Full text available: Pdf (185.55 KB)   Additional Information: full citation, references, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 18,   Downloads (Overall): 353,   Citation Count: 1

Keywords: JDBC, Java, RMI, World Wide Web, XML, asynchronous, component, distributed, distributed object management, global transaction management, interface, interoperability, object-oriented

18 DeepView: a channel for distributed microscopy and informatics

B. Parvin, J. Taylor, G. Cong, M. A. OKeefe, M. H. Barcellos-Hoff

January 1999 **Supercomputing '99:** Proceedings of the 1999 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: ACM

Full text available: Pdf (2.69 MB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 8,   Downloads (Overall): 134,   Citation Count: 3

19 Composable collaboration infrastructures based on programming patterns

Vassil Roussev, Prasun Dewan, Vibhor Jain

December 2000   **CSCW '00:** Proceedings of the 2000 ACM conference on Computer supported cooperative work

Publisher: ACM   Request Permissions

Full text available: Pdf (184.80 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 19,   Downloads (Overall): 415,   Citation Count: 7

In general, collaboration infrastructures have supported sharing of an object based on its logical structure. However, current implementations assume an implicit binding between this logical structure and particular system-defined abstractions. We present ...

20 Architectural design of a multi-agent system for handling metadata streams

Don Cruickshank, Luc Moreau, David De Roure

May 2001   **AGENTS '01:** Proceedings of the fifth international conference on Autonomous agents

Publisher: ACM   Request Permissions

Full text available: Pdf (211.00 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 11,   Downloads (Overall): 333,   Citation Count: 2

We have designed a multi-agent architecture to deliver metadata streams synchronously with multimedia streams over a wide-area network. To this end, we have devised a simple protocol for synchronising agents to a media clock. This protocol defines the ...

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